

## EAST Search History

| Ref # | Hits    | Search Query   | DBs                                      | Default Operator | Plurals | Time Stamp          |
|-------|---------|--|--|------------------|---------|---------------------|
| L14   | 605     | 423/339.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/02/11<br>15:33 |
| L15   | 4255443 | CTAB or "specific surface" or "surface area" or area | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/02/11<br>15:33 |
| L16   | 322     | 14 and L15   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/02/11<br>15:33 |
| L17   | 28721   | DBP or DOP or "oil uptake" or "oil absorption"       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/02/11<br>15:33 |
| L18   | 149     | 16 and L17   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/02/11<br>15:33 |
| L19   | 1710174 | pH   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/02/11<br>15:33 |
| L20   | 144     | 18 and L19   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/02/11<br>15:33 |
| L21   | 5325136 | size or diameter                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/02/11<br>15:36 |
| L22   | 142     | 20 and L21   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/02/11<br>15:36 |
| L23   | 4265238 | BET or "specific surface" or "surface area" or area  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/02/11<br>15:36 |
| L24   | 142     | 22 and L23   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/02/11<br>15:36 |
| L25   | 56771   | "water uptake" or "water absorption"                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/02/11<br>15:39 |
| L26   | 7       | 24 and L25   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/02/11<br>15:39 |
| S1    | 2       | low water uptake silica                              | US-PGPUB;<br>USPAT                       | ADJ              | ON      | 2007/07/25<br>11:17 |
| S2    | 0       | US2005074386   | US-PGPUB;<br>USPAT                       | ADJ              | ON      | 2007/07/24<br>15:57 |
| S3    | 0       | "2005074386"   | US-PGPUB;<br>USPAT                       | ADJ              | ON      | 2007/07/24<br>15:57 |

|     |      |  |                         |     |    |                     |
|-----|------|--|-------------------------|-----|----|---------------------|
| S4  | 4    | "1458646"  | US-PGPUB;<br>USPAT; EPO | ADJ | ON | 2007/07/24<br>15:58 |
| S5  | 0    | "EP1458646"  | US-PGPUB;<br>USPAT; EPO | ADJ | ON | 2007/07/24<br>15:58 |
| S6  | 1024 | aqueous silica   | US-PGPUB;<br>USPAT      | ADJ | ON | 2007/07/25<br>11:17 |
| S7  | 9536 | precipitated silica  | US-PGPUB;<br>USPAT      | ADJ | ON | 2007/07/25<br>11:18 |
| S8  | 137  | water-uptake   | US-PGPUB;<br>USPAT      | ADJ | ON | 2007/07/25<br>11:18 |
| S9  | 1    | S7 and S8  | US-PGPUB;<br>USPAT      | ADJ | ON | 2007/07/25<br>11:18 |
| S10 | 7988 | S7 and water   | US-PGPUB;<br>USPAT      | ADJ | ON | 2007/07/25<br>11:18 |
| S11 | 40   | S7 and water uptake  | US-PGPUB;<br>USPAT      | ADJ | ON | 2007/07/25<br>11:18 |
| S12 | 14   | (US-20030118654-\$ or<br>US-20020160991-\$ or<br>US-20040176619-\$ or<br>US-20040176549-\$).<br>did. or (US-6245834-\$<br>or US-6030355-\$ or US-<br>5747171-\$ or US-<br>5443627-\$ or US-<br>6764613-\$ or US-<br>4226837-\$ or US-<br>6184408-\$ or US-<br>5395605-\$ or US-<br>4015031-\$ or US-<br>5009874-\$).did. | US-PGPUB;<br>USPAT      | ADJ | ON | 2008/01/03<br>10:32 |
| S13 | 14   | S12 and precipitated<br>silica   | US-PGPUB;<br>USPAT      | ADJ | ON | 2008/01/03<br>10:32 |
| S14 | 0    | S13 and water-uptake   | US-PGPUB;<br>USPAT      | ADJ | ON | 2008/01/03<br>10:33 |
| S15 | 14   | S13 and water uptake   | US-PGPUB;<br>USPAT      | ADJ | ON | 2008/01/03<br>10:33 |
| S16 | 1    | S13 and low water<br>uptake  | US-PGPUB;<br>USPAT      | ADJ | ON | 2008/01/03<br>10:33 |
| S17 | 8    | S12 and silicate   | US-PGPUB;<br>USPAT      | ADJ | ON | 2008/01/03<br>10:34 |
| S18 | 8    | S17 and pH   | US-PGPUB;<br>USPAT      | ADJ | ON | 2008/01/03<br>10:35 |
| S19 | 0    | S18 and acidifying<br>agent  | US-PGPUB;<br>USPAT      | ADJ | ON | 2008/01/03<br>10:35 |
| S20 | 8    | S18 and acid   | US-PGPUB;<br>USPAT      | ADJ | ON | 2008/01/03<br>10:35 |
| S21 | 5    | S20 and (filter or<br>filtering or filtered)   | US-PGPUB;<br>USPAT      | ADJ | ON | 2008/01/03<br>10:35 |

|     |      |  |                                     |     |    |                     |
|-----|------|--|-------------------------------------|-----|----|---------------------|
| S22 | 4    | S21 and cake                                 | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/03<br>10:35 |
| S23 | 0    | 423/335.ccls                                 | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/03<br>11:47 |
| S24 | 977  | 423/335.ccls.                                | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/03<br>11:47 |
| S25 | 219  | S24 and precipitated<br>silica               | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/03<br>11:47 |
| S26 | 42   | S25 and (hydrophobic<br>or low water uptake) | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/03<br>11:47 |
| S27 | 2    | low water uptake silica                      | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/03<br>11:48 |
| S28 | 484  | 423/338.ccls.                                | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/03<br>11:48 |
| S29 | 65   | S28 and precipitated<br>silica               | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/03<br>11:49 |
| S30 | 7    | S29 and (hydrophobic<br>or low water uptake) | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/03<br>11:49 |
| S31 | 9853 | precipitated silica                          | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/03<br>15:32 |
| S32 | 7    | "9509128"                                    | EPO; DERWENT                        | ADJ | ON | 2008/01/03<br>15:33 |
| S33 | 7    | "9509128"                                    | US-PGPUB;<br>EPO; DERWENT           | ADJ | ON | 2008/01/03<br>15:34 |
| S34 | 1    | "5882617"                                    | US-PGPUB;<br>EPO; DERWENT           | ADJ | ON | 2008/01/03<br>15:36 |
| S35 | 7    | "9509128"                                    | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/03<br>15:36 |
| S36 | 7    | "5882617"                                    | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/03<br>15:37 |
| S37 | 2    | "7250463"                                    | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/03<br>16:48 |
| S38 | 105  | "4590052"                                    | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/03<br>17:16 |
| S39 | 36   | "4708859"                                    | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>10:04 |
| S40 | 22   | "4842838"                                    | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>11:40 |
| S41 | 29   | "4874594"                                    | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>11:55 |

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|-----|----|-----------|-------------------------------------|-----|----|---------------------|
| S42 | 26 | "5066420" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>11:56 |
| S43 | 55 | "5089554" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>12:09 |
| S44 | 7  | "6107226" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>12:09 |
| S45 | 20 | "5236623" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>12:10 |
| S46 | 16 | "5395605" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>12:14 |
| S47 | 50 | "5403570" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>12:14 |
| S48 | 12 | "5547502" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>12:15 |
| S49 | 50 | "5403570" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>13:03 |
| S50 | 12 | "5547502" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>13:06 |
| S51 | 16 | "5587416" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>13:10 |
| S52 | 17 | "5932191" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>13:12 |
| S53 | 10 | "5800608" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>13:14 |
| S54 | 8  | "5846311" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>13:18 |
| S55 | 5  | "5958127" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>13:20 |
| S56 | 8  | "5876494" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>13:22 |
| S57 | 8  | "6169135" | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>13:25 |

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|-----|----|---|-------------------------------------|-----|----|---------------------|
| S58 | 7  | "5882617"   | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>13:32 |
| S59 | 6  | "6191205"   | US-PGPUB;<br>USPAT; EPO;<br>DERWENT | ADJ | ON | 2008/01/04<br>13:43 |
| S60 | 2  | "6221149"   | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/04<br>13:58 |
| S61 | 5  | "6001322"   | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/04<br>14:01 |
| S62 | 5  | "6468493"   | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/04<br>14:03 |
| S63 | 2  | "6214912"   | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/04<br>14:05 |
| S64 | 2  | "6290924"   | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/04<br>14:07 |
| S65 | 4  | "6335396"   | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/04<br>14:09 |
| S66 | 2  | "6702888"   | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/04<br>14:10 |
| S67 | 1  | "7033576"   | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/04<br>14:13 |
| S68 | 39 | (US-20030118654-\$ or<br>US-20020160991-\$ or<br>US-20040176619-\$ or<br>US-20040176549-\$).<br>did. or (US-6245834-\$<br>or US-6030355-\$ or US-<br>5747171-\$ or US-<br>5443627-\$ or US-<br>6764613-\$ or US-<br>4226837-\$ or US-<br>6184408-\$ or US-<br>5395605-\$ or US-<br>4015031-\$ or US-<br>5009874-\$ or US-<br>5882617-\$ or US-<br>7250463-\$ or US-<br>4590052-\$ or US-<br>4708859-\$ or US-<br>4842838-\$ or US-<br>5066420-\$ or US-<br>5236623-\$ or US-<br>5403570-\$ or US-<br>5547502-\$ or US-<br>5587416-\$ or US-<br>5932191-\$ or US-<br>5846311-\$ or US-<br>5958127-\$ or US-<br>5876494-\$ or US-<br>6169135-\$ or US-<br>6191205-\$).did. or (US-<br>6221149-\$ or US- | US-PGPUB;<br>USPAT                  | ADJ | ON | 2008/01/04<br>16:00 |

|     |        |   |                    |     |     |                     |
|-----|--------|---|--------------------|-----|-----|---------------------|
|     |        | 6001322-\$ or US-6468493-\$ or US-6214912-\$ or US-6290924-\$ or US-6521214-\$ or US-6335396-\$ or US-6702888-\$ or US-7033576-\$).did. |                    |     |     |                     |
| S69 | 28     | S68 and aluminum  | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/01/04<br>16:00 |
| S70 | 19     | S69 and acidifying agent  | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/01/04<br>16:01 |
| S71 | 0      | S70 and alkali silicate   | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/01/04<br>16:01 |
| S72 | 0      | S70 and alkali silicates  | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/01/04<br>16:01 |
| S73 | 18     | S70 and alkali  | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/01/04<br>16:02 |
| S74 | 10     | S73 and normality   | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/01/04<br>16:02 |
| S75 | 7      | "9509128"   | EPO; DERWENT       | ADJ | ON  | 2008/01/04<br>17:03 |
| S76 | 7      | "9509127"   | EPO; DERWENT       | ADJ | ON  | 2008/01/04<br>17:04 |
| S77 | 2      | "0881252"   | EPO; DERWENT       | ADJ | ON  | 2008/01/04<br>17:04 |
| S78 | 5      | "881252"  | EPO; DERWENT       | ADJ | ON  | 2008/01/04<br>17:04 |
| S79 | 6      | "754650"  | EPO; DERWENT       | ADJ | ON  | 2008/01/04<br>17:04 |
| S80 | 5      | "107364"  | EPO; DERWENT       | ADJ | ON  | 2008/01/04<br>17:05 |
| S81 | 41     | "0107364"   | EPO; DERWENT       | ADJ | ON  | 2008/01/04<br>17:05 |
| S82 | 5      | "107364"  | EPO; DERWENT       | ADJ | ON  | 2008/01/04<br>17:05 |
| S83 | 41     | "0107364"   | EPO; DERWENT       | ADJ | ON  | 2008/01/04<br>17:06 |
| S84 | 0      | S81 and silica  | EPO; DERWENT       | ADJ | ON  | 2008/01/04<br>17:06 |
| S85 | 0      | S81 and precipitated  | EPO; DERWENT       | ADJ | ON  | 2008/01/04<br>17:06 |
| S86 | 46     | "5009874"   | US-PGPUB;<br>USPAT | OR  | OFF | 2008/07/16<br>11:22 |
| S87 | 1002   | 423/335.ccls.   | US-PGPUB;<br>USPAT | OR  | OFF | 2008/07/16<br>17:48 |
| S88 | 643448 | silica or "silicon dioxide" or sio2 or "sio. <sup>sup.2</sup> " or "sio.sub.2"  | US-PGPUB;<br>USPAT | OR  | OFF | 2008/07/16<br>17:49 |

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|------|--------|---|-----------------|-----|-----|------------------|
| S89  | 701057 | silica or "silicon dioxide" or sio2 or "sio.sup.2" or "sio.sub.2" or "silicon oxide"  | US-PGPUB; USPAT | OR  | OFF | 2008/07/16 17:49 |
| S90  | 870    | S87 and S89   | US-PGPUB; USPAT | OR  | OFF | 2008/07/16 17:49 |
| S91  | 488    | 423/338.ccls.   | US-PGPUB; USPAT | OR  | OFF | 2008/07/16 17:50 |
| S92  | 182254 | silicate or "alkali silicate" or "alkali metal silicate" or "sodium silicate"   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/16 17:54 |
| S93  | 522    | S90 and S92   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/16 17:54 |
| S94  | 497    | 423/339.ccls.   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/16 17:54 |
| S95  | 498592 | "acidifying agent" or "sulfuric acid" or "hydrochloric acid" or "nitric acid" or "acetic acid" or "formic acid" or "carbonic acid"  | US-PGPUB; USPAT | ADJ | ON  | 2008/07/16 17:55 |
| S96  | 707220 | silica or "silicon dioxide" or sio2 or "sio.sup.2" or "sio.sub.2" or "silicon oxide" or silicas or "silicon dioxides" or sio2 or "sio.sup.2" or "sio.sub.2" or "silicon oxides" | US-PGPUB; USPAT | OR  | OFF | 2008/07/16 17:56 |
| S97  | 182254 | silicate or "alkali silicate" or "alkali metal silicate" or "sodium silicate" or silicates or "alkali silicates" or "alkali metal silicates" or "sodium silicates"              | US-PGPUB; USPAT | ADJ | ON  | 2008/07/16 17:56 |
| S98  | 871    | S87 and S96   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/16 17:57 |
| S99  | 522    | S98 and S97   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/16 17:57 |
| S100 | 393    | S99 and S95   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/16 17:57 |
| S101 | 1003   | 423/335.ccls.   | US-PGPUB; USPAT | OR  | OFF | 2008/07/17 12:51 |
| S102 | 498922 | "acidifying agent" or "sulfuric acid" or "hydrochloric acid" or "nitric acid" or "acetic acid" or "formic acid" or "carbonic acid"  | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 12:51 |

|      |        |   |                 |     |     |                  |
|------|--------|---|-----------------|-----|-----|------------------|
| S103 | 707742 | silica or "silicon dioxide" or sio2 or "sio.sup.2" or "sio.sub.2" or "silicon oxide" or silicas or "silicon dioxides" or sio2 or "sio.sup.2" or "sio.sub.2" or "silicon oxides" | US-PGPUB; USPAT | OR  | OFF | 2008/07/17 12:51 |
| S104 | 182386 | silicate or "alkali silicate" or "alkali metal silicate" or "sodium silicate" or silicates or "alkali silicates" or "alkali metal silicates" or "sodium silicates"              | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 12:51 |
| S105 | 872    | S101 and S103   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 12:51 |
| S106 | 523    | S105 and S104   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 12:51 |
| S107 | 394    | S106 and S102   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 12:51 |
| S108 | 337    | S107 and "pH"   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 12:51 |
| S109 | 114    | S108 and (equivalent or equivalents)  | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 12:58 |
| S110 | 478898 | precipitated or precipitate or precipitates or precipitating or precipitation or precipitations   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 13:01 |
| S111 | 88     | S109 and S110   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 13:01 |
| S112 | 156    | "water-uptake"  | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 13:03 |
| S113 | 0      | S111 and S112   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 13:03 |
| S114 | 488    | 423/338.ccls.   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 13:26 |
| S115 | 397    | S114 and S103   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 13:26 |
| S116 | 235    | S115 and S104   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 13:26 |
| S117 | 177    | S116 and S102   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 13:26 |
| S118 | 156    | S117 and "pH"   | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 13:27 |
| S119 | 36     | S118 and (equivalent or equivalents)  | US-PGPUB; USPAT | ADJ | ON  | 2008/07/17 13:27 |

|      |     |   |                    |     |     |                     |
|------|-----|---|--------------------|-----|-----|---------------------|
| S120 | 21  | S119 and S110                           | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/07/17<br>13:27 |
| S121 | 497 | 423/339.ccls.                           | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/07/17<br>13:27 |
| S122 | 423 | S121 and S103                           | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/07/17<br>13:27 |
| S123 | 321 | S122 and S104                           | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/07/17<br>13:28 |
| S124 | 260 | S123 and S102                           | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/07/17<br>13:28 |
| S125 | 236 | S124 and "pH"                           | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/07/17<br>13:28 |
| S126 | 92  | S125 and (equivalent<br>or equivalents) | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/07/17<br>13:28 |
| S127 | 86  | S126 and S110                           | US-PGPUB;<br>USPAT | ADJ | ON  | 2008/07/17<br>13:28 |
| S128 | 6   | "5234493"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>16:45 |
| S129 | 12  | "5418273"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>16:46 |
| S130 | 17  | "5932191"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>16:46 |
| S131 | 16  | "5989524"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>16:47 |
| S132 | 2   | "6187292"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>16:47 |
| S133 | 2   | "6521214"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>16:47 |
| S134 | 1   | "7033576"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>16:48 |
| S135 | 6   | "4784594"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>17:35 |
| S136 | 54  | "5089554"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>17:36 |
| S137 | 6   | "6107226"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>17:36 |
| S138 | 14  | "5395605"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>17:36 |
| S139 | 9   | "5800608"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>17:37 |
| S140 | 7   | "5846311"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>17:37 |
| S141 | 1   | "7250463"                               | US-PGPUB;<br>USPAT | OR  | OFF | 2009/02/10<br>17:41 |

|      |         |   |                 |    |     |                  |
|------|---------|---|-----------------|----|-----|------------------|
| S142 | 35      | (US-5395605-\$ or US-5882617-\$ or US-4590052-\$ or US-4708859-\$ or US-4842838-\$ or US-5066420-\$ or US-5236623-\$ or US-5403570-\$ or US-5547502-\$ or US-5587416-\$ or US-5932191-\$ or US-5846311-\$ or US-5958127-\$ or US-5876494-\$ or US-6169135-\$ or US-6191205-\$ or US-6221149-\$ or US-6001322-\$ or US-6468493-\$ or US-6214912-\$ or US-6290924-\$ or US-6521214-\$ or US-6335396-\$ or US-6702888-\$ or US-7033576-\$ or US-5009874-\$).did. or (US-5234493-\$ or US-5418273-\$ or US-5989524-\$ or US-6187292-\$ or US-4784594-\$ or US-5089554-\$ or US-6107226-\$ or US-5800608-\$ or US-7250463-\$).did. | USPAT           | OR | OFF | 2009/02/10 17:55 |
| S143 | 465170  | bet or "surface area"   | US-PGPUB; USPAT | OR | OFF | 2009/02/10 17:56 |
| S144 | 463004  | ctab or "specific surface" or "surface area"  | US-PGPUB; USPAT | OR | OFF | 2009/02/10 17:56 |
| S145 | 12870   | idop or "oil uptake" or "oil absorption"  | US-PGPUB; USPAT | OR | OFF | 2009/02/10 17:56 |
| S146 | 619260  | "pH"  | US-PGPUB; USPAT | OR | OFF | 2009/02/10 17:56 |
| S147 | 134731  | "residual anion" or anion   | US-PGPUB; USPAT | OR | OFF | 2009/02/10 17:57 |
| S148 | 3420629 | size or diameter  | US-PGPUB; USPAT | OR | OFF | 2009/02/10 17:57 |
| S149 | 33      | S142 and S144   | US-PGPUB; USPAT | OR | OFF | 2009/02/10 17:57 |
| S150 | 29      | S149 and S145   | US-PGPUB; USPAT | OR | OFF | 2009/02/10 17:57 |

|      |         |  |  |    |     |                     |
|------|---------|--|--|----|-----|---------------------|
| S151 | 29      | S150 and S146  | US-PGPUB;<br>USPAT                       | OR | OFF | 2009/02/10<br>17:57 |
| S152 | 29      | S151 and S148  | US-PGPUB;<br>USPAT                       | OR | OFF | 2009/02/10<br>17:57 |
| S153 | 2       | S152 and S147  | US-PGPUB;<br>USPAT                       | OR | OFF | 2009/02/10<br>17:57 |
| S154 | 32      | "93803"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/10<br>17:58 |
| S155 | 2       | "0193803"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/10<br>17:59 |
| S156 | 0       | "10500107"   | US-PGPUB;<br>USPAT                       | OR | OFF | 2009/02/11<br>11:23 |
| S157 | 1       | "20050074386"  | US-PGPUB;<br>USPAT                       | OR | OFF | 2009/02/11<br>11:24 |
| S158 | 2       | "20050074386"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>11:25 |
| S159 | 0       | 423/445.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:38 |
| S160 | 1274    | 423/335.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:40 |
| S161 | 6254    | CTAB   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:41 |
| S162 | 589505  | BET or "surface area"                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:41 |
| S163 | 4255443 | CTAB or "specific<br>surface" or "surface<br>area" or area | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:41 |
| S164 | 4265238 | BET or "specific<br>surface" or "surface<br>area" or area  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:41 |
| S165 | 28721   | DBP or DOP or "oil<br>uptake" or "oil<br>absorption"       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:42 |
| S166 | 1710174 | pH   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:42 |
| S167 | 5325136 | size or diameter   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:42 |
| S168 | 56771   | "water uptake" or<br>"water absorption"                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:42 |

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|------|-----|---------------|--|----|-----|---------------------|
| S169 | 695 | S160 and S163 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:42 |
| S170 | 186 | S169 and S165 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:42 |
| S171 | 181 | S170 and S166 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:43 |
| S172 | 175 | S171 and S167 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:43 |
| S173 | 175 | S172 and S164 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>13:43 |
| S174 | 17  | S173 and S168 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/02/11<br>15:06 |

2/11/2009 3:40:08 PM

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